

September 19, 2005

VORTECHNICS  
SALES  
MARK BAKER  
1558 N LAKEVIEW AV  
PORT WASHINGTON WI 53074

VORTECHNICS  
ENGINEERING  
DAVID ADAMS  
200 ENTERPRISE DR  
SCARBOROUGH ME 04074

Re: Description: STORMWATER TREATMENT DEVICE  
Manufacturer: VORTECHNICS  
Product Name: VORTECHS SYSTEM  
Model Number(s): 2000  
Product File No: 20050035

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of September 2010.

This approval is contingent upon compliance with the following stipulation(s):

- The review undertaken by Commerce staff does not include review and/or approval of this submittal as meeting DNR specifications for ch. NR 151.
- This product will produce an effluent having values for TSS and Oil & Grease as listed in Table 1, entitled Stormwater Treatment for Vortechs Model 2000, when the influent flow and loads meet the conditions of Table 1.

Table 1  
Stormwater Treatment for Vortechs Model 2000

Flow (cfs)	TSS 50-micron* (mg/l)	TSS 80-micron** (mg/l)	Oil & Grease*** (mg/l)
0.28	14	4	5
0.56	30	13	8
0.84	43	18	17
1.12	54	24	33
1.40	67	36	49
1.68	79	42	55
1.96	88	51	63
2.24	95	65	72

Note: Influent concentration of 100 mg/l

Influent mineral sediments having a density of 2.65 gram/cubic centimeter

\* Based on testing sediment particles ranging from 38-75 microns  
with a mean particle diameter of 50 microns

\*\* Based on testing sediment particles ranging from 38-500 microns

with a mean particle diameter of 50 microns  
\*\*\*\* Based on testing conducted with 10W x 40 motor oil

- Inspection, maintenance and cleaning of this product must be performed at intervals specified by the manufacturer in Vortechs System Maintenance publication "VX.MTC.1.04.04 copywrited Vortechncis, Inc. 2004", or in accordance with plan approval or s. Comm 82.21, whichever is more restrictive.
- When this product is installed, the installation must be in accordance with the manufacturer's printed design installation instructions, ch. Comm 82, plan approval under s. Comm 82.20, and any product approval stipulations. When there is a conflict between manufacturer's installation instructions and plan approval conditions or product approval stipulations, the plan approval conditions or product approval stipulations will take precedence.
- Installation of this product must be in accordance with the manufacturer's printed installation instructions. A copy of the manufacturer's installation instructions must be given to the property owner, installer and submitted along with other information required by the governing agency for the installation.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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